

**IN THE SPECIFICATION:**

Page 3, lines 6-14, please rewrite the paragraph as follows:

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Solenoid The solenoid RF coil looks very similar to that of the conventional solenoid. A two turn solenoid RF coil with two identical value C1 tuning capacitors in series is shown in Figure 10. The inductance of the coil turns along with C1 resonate the coil near the NMR frequency. By adjusting the tuning capacitors C1 and matching the coil across C1 (A) with impedance matching networks (not shown), one can drive the homogeneous mode which can be used to image at the NMR frequency. The B field orientation of this homogeneous mode is along the coil axis, in the Z direction. The points where the dotted line intersects the coil are at virtual ground, they have no net potential (shown with "x" marks).

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Attached hereto is an Appendix which includes the above-noted changes in annotated form.

**REMARKS**

Claim 1 is pending in the application. Favorable reconsideration of the application, as amended, is respectfully requested.

The specification has been amended to address the informality noted by the Examiner.

The drawings have been amended herein as suggested by the Examiner by adding the label "Prior Art" to Figs. 1a, 2a, 3a and 4a. Regarding Fig. 9, applicant notes the similarity between Fig. 9 of the present application and Fig. 14 of US Patent No. 6,150,816. However, the figures are not identical. Fig. 9 of the present application is a system incorporating the RF coil array in accordance with the present invention. Fig. 14 of US Patent No. 6,150,816 is a system incorporating the RF coil array described in the '816 patent. Thus, the coils are different and Fig. 9 of the present application does not constitute prior art.